ELSEVIER International Journal of Coal Geology 38 (1999) 349–350

International Journal of coal geology

Contents Volume 38, 1998/1999

SPECIAL ISSUE: **Appalachian Coalbed Methane**

Introduction 1
Geological controls on coalbed methane reservoir capacity and gas content
R.M. Bustin and C.R. Clarkson 3
Production characteristics and reservoir analysis of coalbed methane reservoirs
M.D. Zuber 27
Relative importance of physical and economic factors in Appalachian coalbed gas assessment
E.D. Attanasi 47
The central and northern Appalachian Basin—a frontier region for coalbed methane development
P.C. Lyons 61
Structural control of coalbed methane production in Alabama
J.C. Pashin and R.H. Groshong Jr.. 89
A preliminary assessment of in place coalbed methane resources in the Virginia portion of the central Appalachian Basin
J.E. Nolde and D. Spears. 115
Coalbed methane resource potential and current prospects in Pennsylvania
A.K. Markowski 137

Editorial iii

Research Papers
Geochemistry and origin of elements in some UK coals
D.A. Spears and Y. Zheng 161
Classification of torbanite and cannel coal I. Insights from petrographic analysis of density fractions
Z. Han, M.A. Kruge, J.C. Crelling and D.F. Bensley 181
Classification of torbanite and cannel coal II. Insights from pyrolysis-GC/MS and multivariate statistical analysis
Z. Han and M.A. Kruge 203
Quality, palynology, and palaeoenvironmental interpretation of the Ilgin lignite, Turkey
A.I. Karayigit, F. Akgun, R.A. Gayer and A. Temel 219
Abrupt changes (jumps) in reflectance values and chemical compositions of artificial charcoals and inertinite in coals
R.M. Bustin and Y. Guo 237
Influence of environments of coal deposition on phosphorous accumulation in a high latitude, northern Alaska, coal seam
P.D. Rao and D.E. Walsh 261
Aspects of the geochemistry of rare earth elements in coal: an experimental approach
G.M. Eskenazy 285
The impact of tectonic deformation upon coal seams in the South Wales coalfield, UK
K. Frodsham and R.A. Gayer 297

Calculation of reflectance values for two models of texture of carbon materials
S. Duber and J.N. Rouzaud 333

Contents Volume 38, 1998 / 1999 349